

Notice of Allowability

Application No.

09/227,770

Examiner

Jenise E. Jackson

Applicant(s)

CHARI ET AL.

Art Unit

2131

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 7/23/07.
2. ☒ The allowed claim(s) is/are 7, 10-13, 40, 59.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |

Reasons for Allowance

1. ***Status of Claims:*** Claims 1-6, 8, 14-39, 41-58 are canceled by the Applicant.

Claims 7, 10-13, 40 and 59 are allowable for the following reasons below:

2. Cashman discloses the proxy can tamper with what the coprocessor does, and in Cashman the proxy directly controls the coprocessor. There is no end-to-end security guarantee being maintained by the protocol translation. Cashman discloses the contents are available unencrypted to any agent/process on the proxy. Cashman does not disclose, "embedding a secure coprocessor for use as an agent of the client and/or server which assures that the proxy cannot tamper with the functioning of the agent and view unencrypted communication between the client and the server, the agent being a software program or hardware logic operating within the confines of the secure coprocessor". Cashman discloses the data is received and transferred into memory over system bus. Before the transmission of the data to network, the CPU instructs co-processor, to concurrently encrypt and compress and packetize the data. Once the data is compressed and encrypted in packet format, co-processor notifies CPU of this event. The data is then transmitted via interface onto network under the control of the CPU. Data destined for host is received at interface from network in packet form. The packets are buffered in memory. The data is encrypted and compressed in packet form when it arrives at network device. Cashman fails to disclose the claim limitations "embedding a secure coprocessor for use as an agent of the client and/or server which assures that the proxy cannot tamper with the functioning of the agent and view unencrypted communication between the client and the server, the agent being a software program or hardware logic operating within the confines of the secure coprocessor".

3. Lincke fails to disclose the claim limitations, “wherein the step of splicing a plurality of secure communication protocols is a security protocol of a Wireless Application Protocol(WAP) to that of an Internet Protocol(IP) device”. Lincke discloses a wireless communication system. The wireless communications device represents a handheld device that has a wireless communications capabilities. The wireless communications device is for communicating over the BellSouth Mobile Data system. Lincke discloses an improved system and method for using a handheld device to access Internet information over relative low bandwidth networks. Lincke is directed toward a communications system which includes the wireless communications device, a server, and a source of data. The server acts as a proxy server. Typical sources of data are a web server or mail server. Lincke does not disclose splicing a plurality of secure communication protocols which is a security protocol of a WAP to that of an IP device.

Conclusion


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jenise E. Jackson whose telephone number is (571) 272-3791. The examiner can normally be reached on M-Th (6:00 a.m. - 3:30 p.m.) alternate Friday's.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ayaz Sheikh can be reached on (571) 272-3795. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

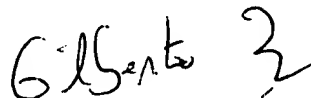
Application/Control Number:
09/227,770
Art Unit: 2131

Page 4

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



November 9, 2007


GILBERTO BARRON JR
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100